

Amendments to the Claims:

This listing of the claims will replace all prior versions, and listings, of claims in the application:

Listing of the Claims:

Claim 1 (currently amended): A process comprising:
circulating a working fluid through a first a flow path, whrcin the working fluid comprises molecules having a carbon-to-carbon bond;

pumping the organic based liquid working fluid in liquid form to an elevated pressure;

flowing the organic-based liquid working fluid through a heat exchanger comprising bipolar plates in a fuel cell stack;

heating the organic-based liquid working fluid to a high temperature and high-pressure gas;

expanding the high temprature and high-pressure gas through an expander to produce shaft work;

using the shaft work to drive an air compressor for compressing air and delivering compressed air to a fuel cell subcomponent;

and removing energy from the gas to change the gas to the organic-based liquid working fluid in liquid form;

and flowing hydrogen through a second flow path including the fuel cell stack to generate electricity using the hydrogen, and wherein the first flow path does not include a steam reforming reactor to reform the working fluid.

Claim 2 (previously presented): A process as set forth in claim 1 further comprising using the shaft work to drive a pump for pressurizing and delivering cooling fluid to a fuel cell system component.

Claims 3-6 (canceled).

Claim 7 (currently amended): A process of heating a fuel cell stack during relatively cold startup conditions comprising:

a) pumping a fuel cell stack organic-based liquid cooling fluid to an elevated

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